



11-13-2001

U.S. Patent & TMO/TM Mail Rcpt Dt. #01

1 / 18

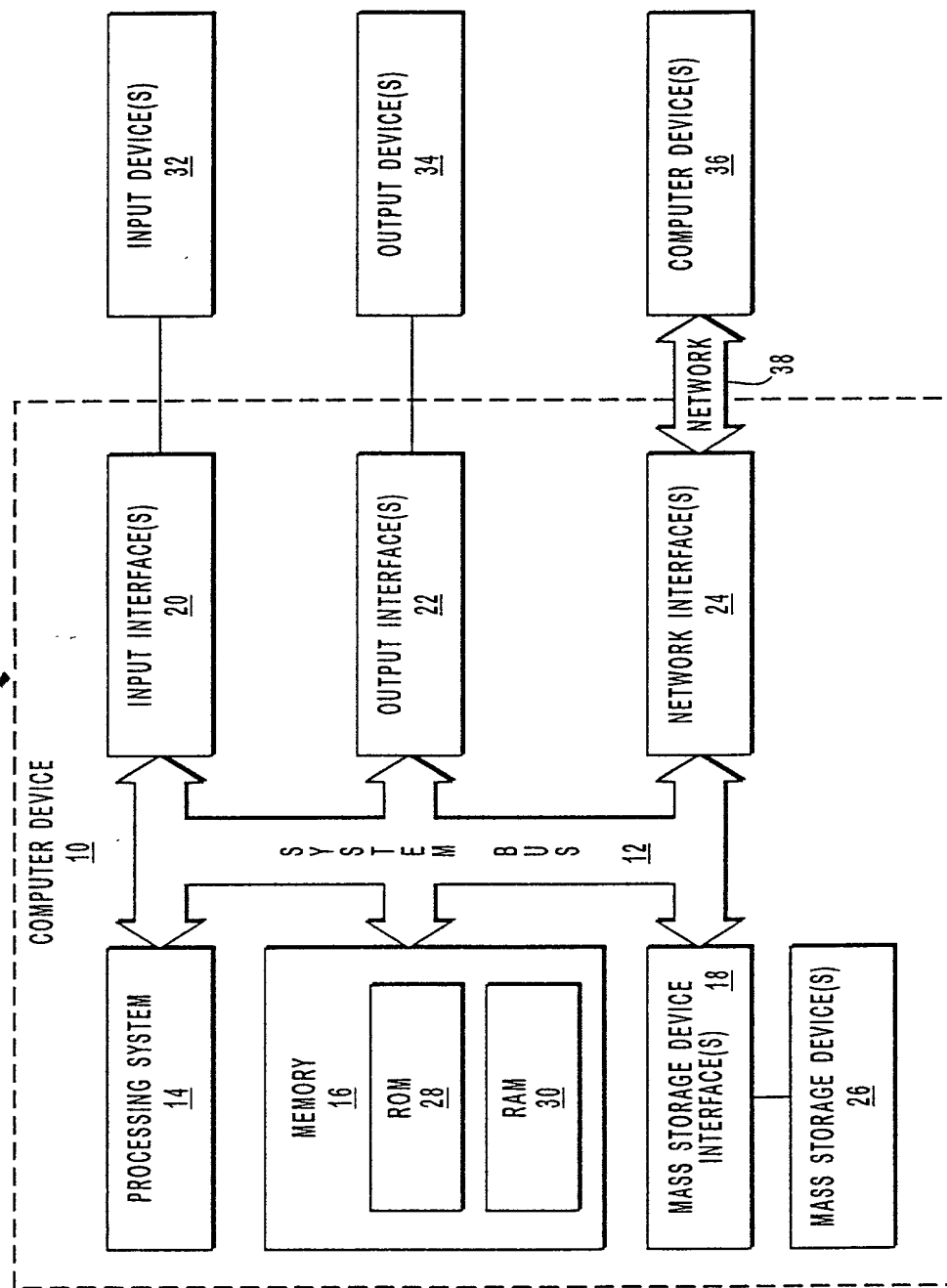


FIG. 1



11-13-2001

U.S. Patent & TMOfo/TM Mail Ropt Dt. #01

2 / 18

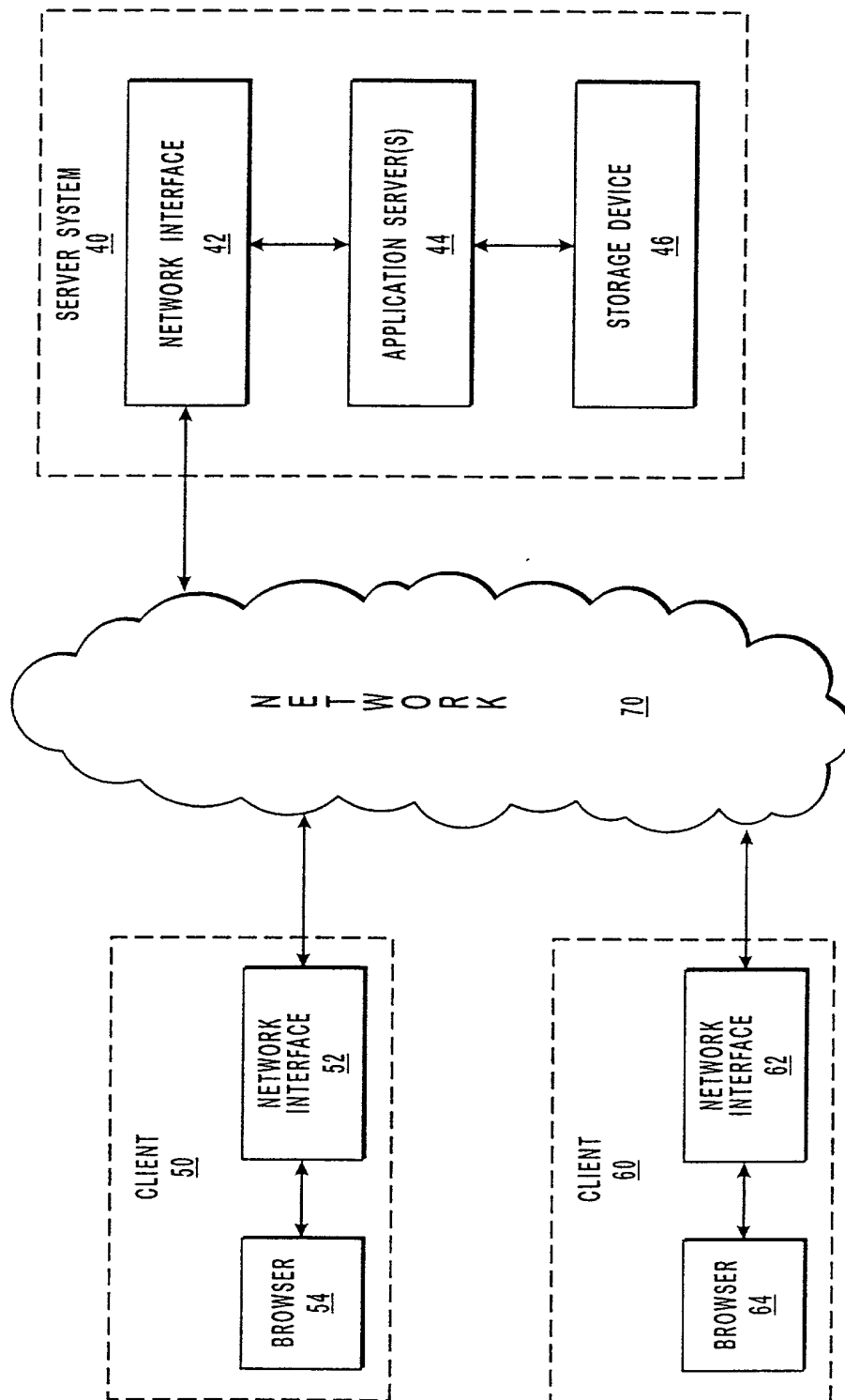


FIG. 2



11-13-2001

U.S. Patent & TMOfo/TM Mail Rcpt Dt. #01

3 / 18

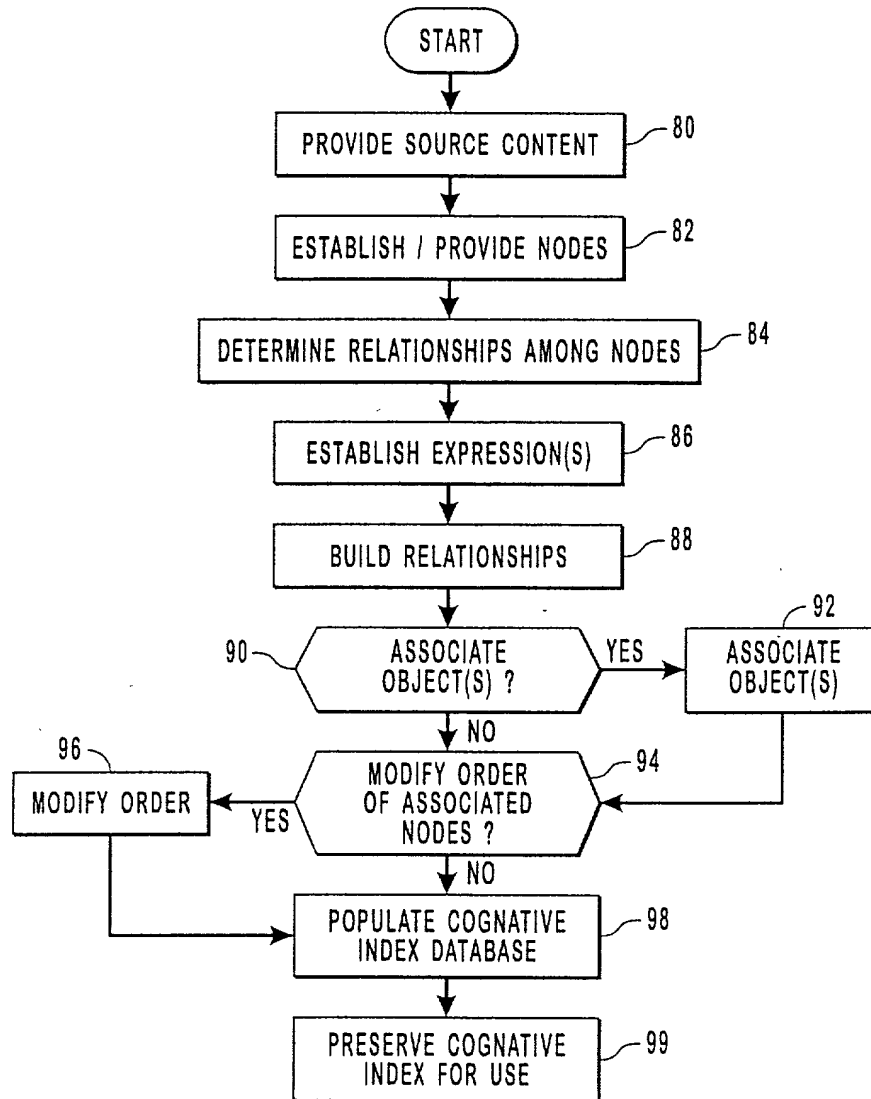


FIG. 3



11-13-2001

U.S. Patent & TMOfo/TM Mail Rcpt Dt. #01

4 / 18

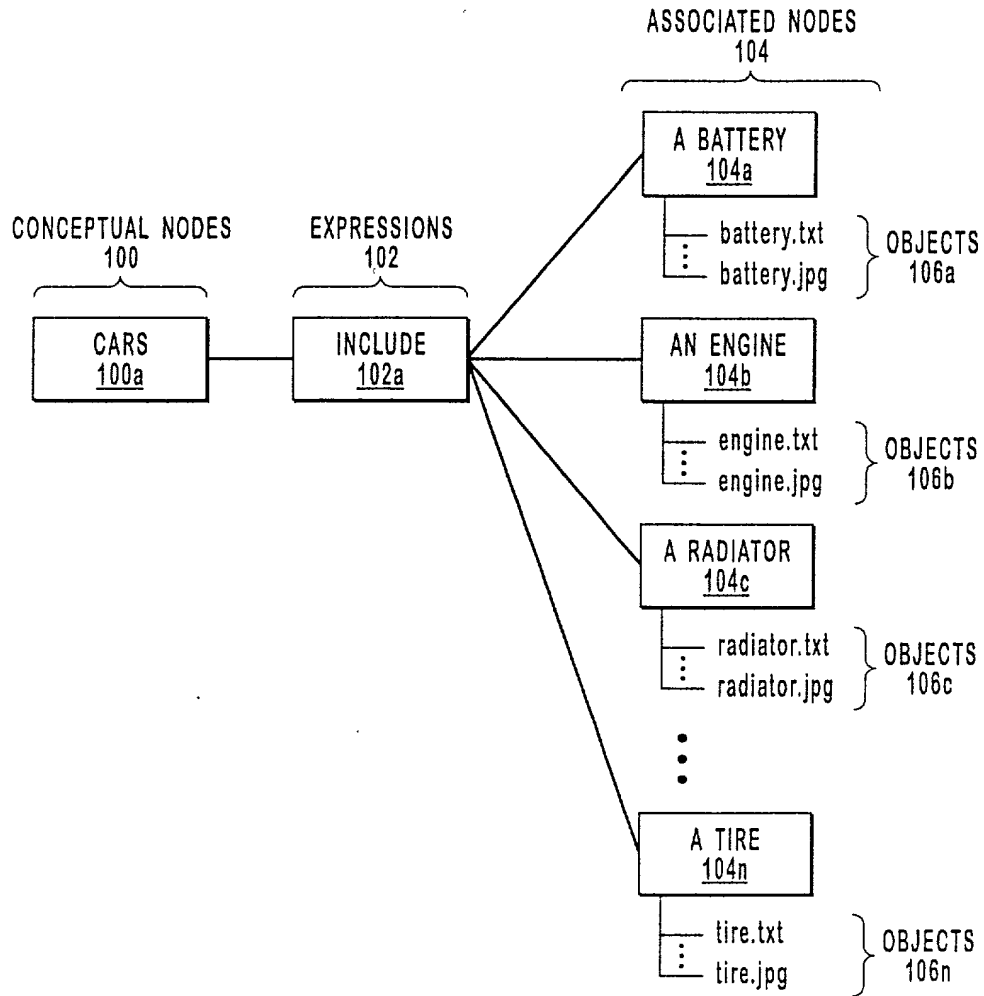


FIG. 4



11-13-2001

U.S. Patent & TMOfo/TM Mail RoptDt. #01

5 / 18

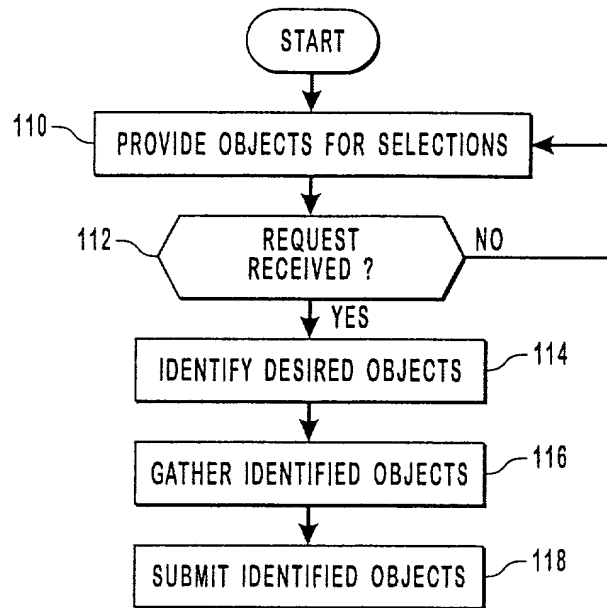


FIG. 5

0988103 11301



11-13-2001

U.S. Patent & TMOfo/TM Mail Rcpt Dt. #01

6 / 18

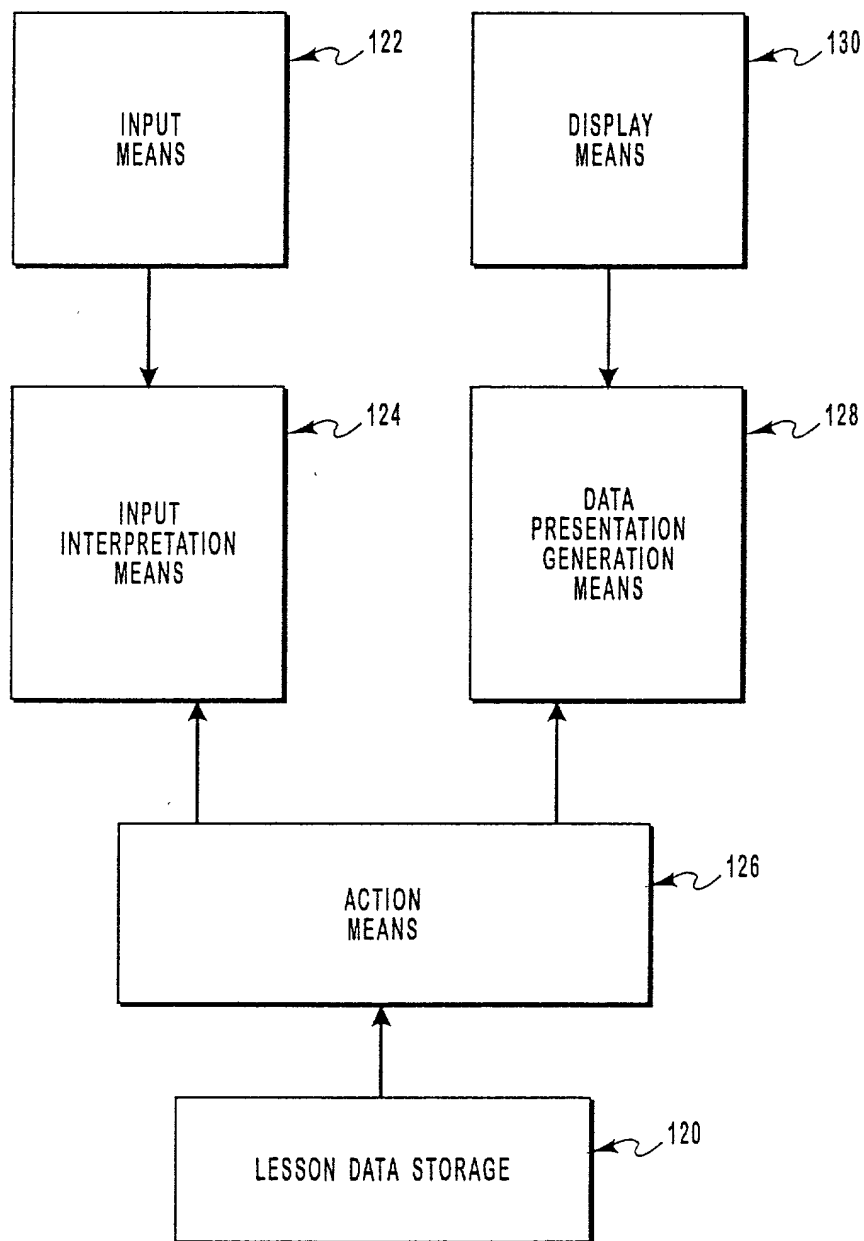
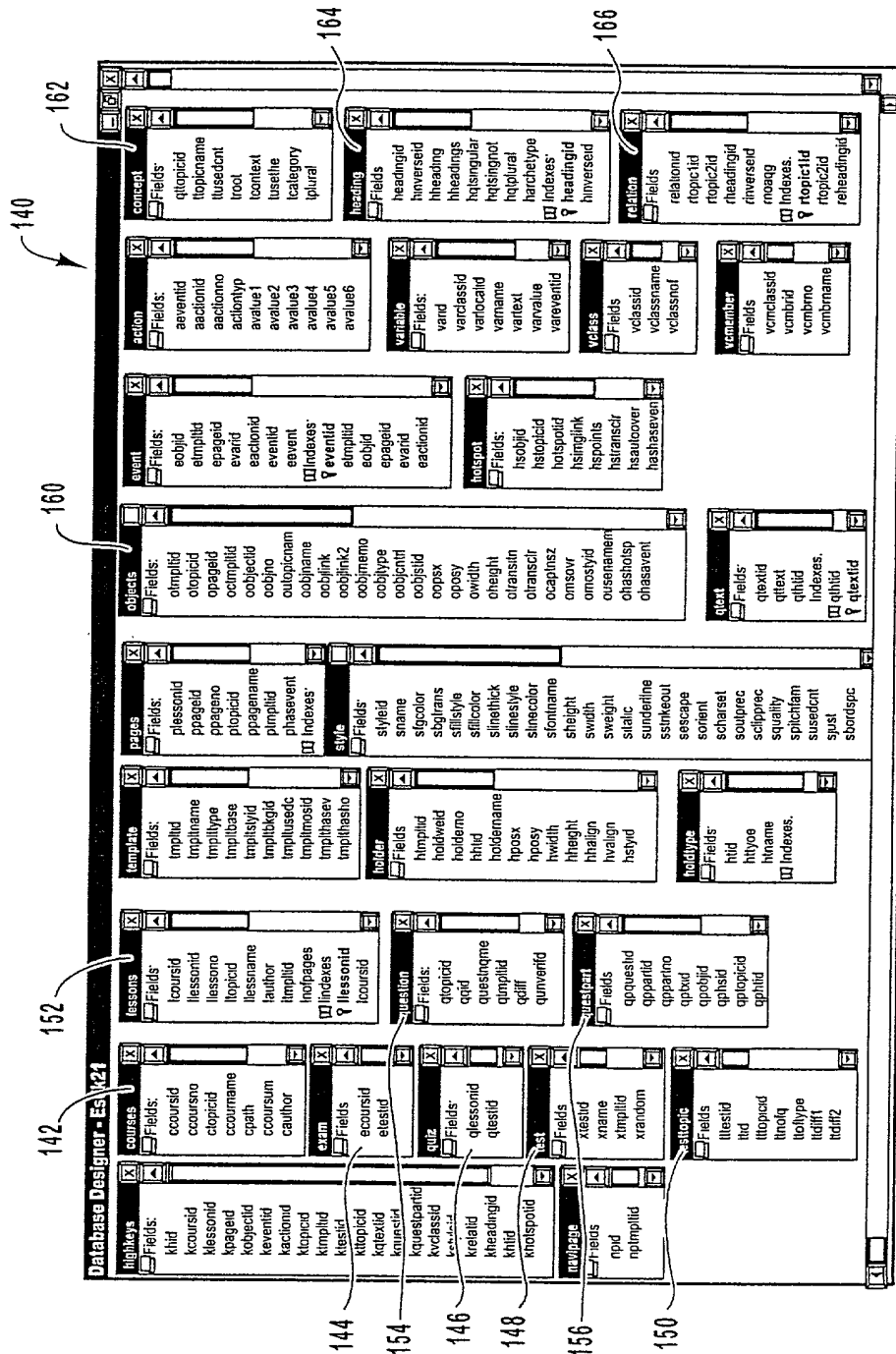


FIG. 6



FIG. 7





11-13-2001

U.S. Patent & TMO/c/TM Mail RptDt. #01

8 / 18

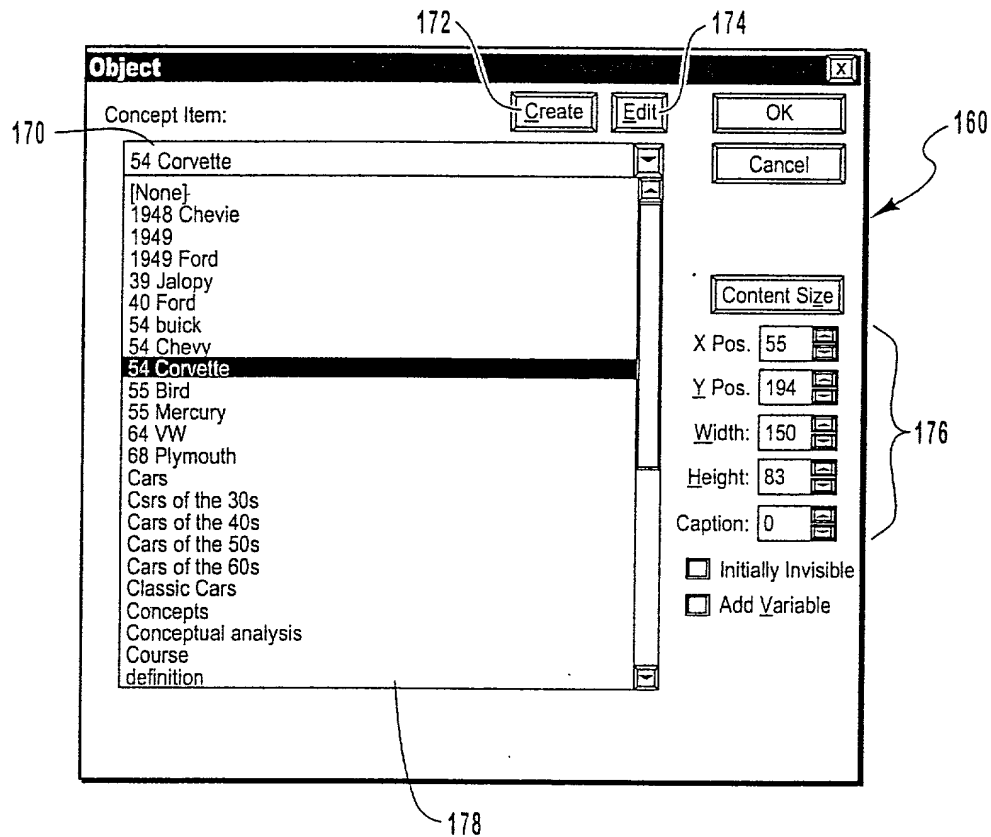


FIG. 8

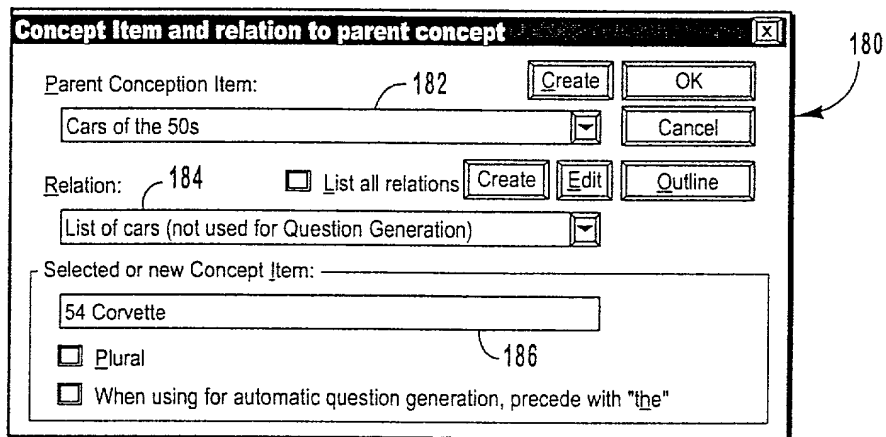


FIG. 9



11-13-2001

U.S. Patent & TMOfo/TM Mail Ropt Dt. #01

9 / 18

190

Object

Singular object of possessive subject: (used in Nascent Index when there is only one relationship for this relation) 192

Example: {relation}

In Question Text:

Plural object of possessive subject: (used in Nascent Index when there is a multiple relationships for this relation) 194

{relations}

Verb phrase for singular subject: 196

is a child of {relates to}

Negated verb phrase for singular subject: 198

{does not relate to}

Verb phrase for plural subject: 200

{relate to}

Type: 202

Inverse: 204

FIG. 10

190

Object

Singular object of possessive subject: (used in Nascent Index when there is only one relationship for this relation) 192

Example: {relation}

In Question Text:

Plural object of possessive subject: (used in Nascent Index when there is a multiple relationships for this relation) 194

{relations}

Verb phrase for singular subject: 196

is a child of {relates to}

Negated verb phrase for singular subject: 198

{does not relate to}

Verb phrase for plural subject: 200

{relate to}

Type: 202

Inverse: 204

FIG. 11



11-13-2001

U.S. Patent & TMOfo/TM Mail RcptDt. #01

10 / 18

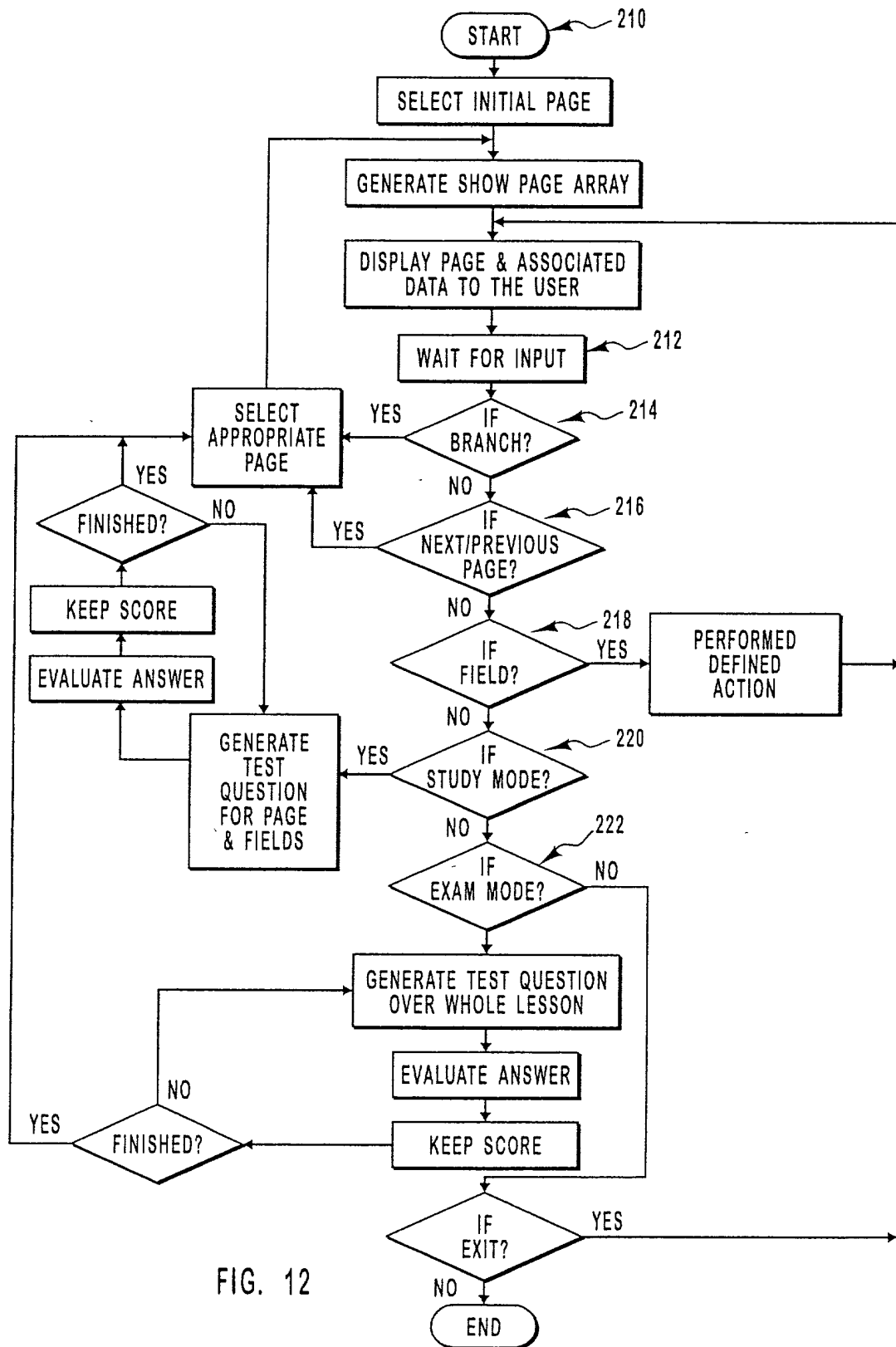


FIG. 12

09988103 111301



11-13-2001

U.S. Patent & TMO/c/TM Mail Rcpt Dt. #01

11 / 18

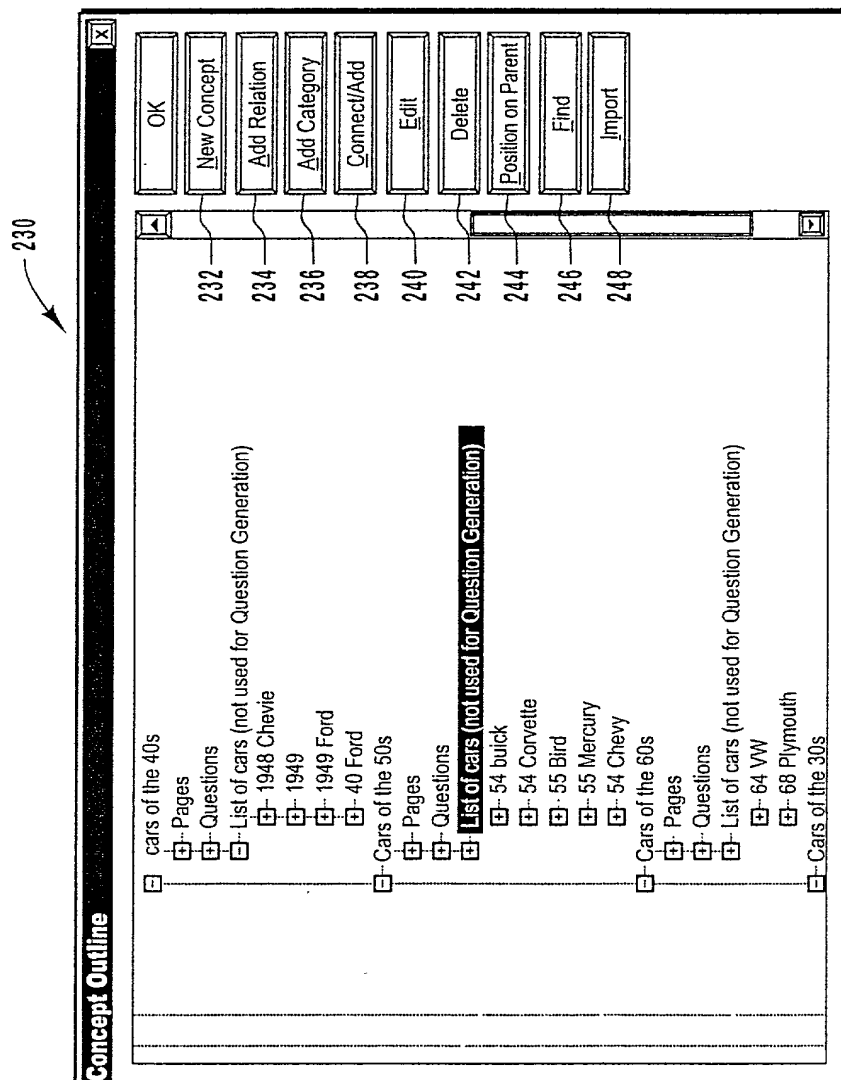


FIG. 13



11-13-2001

U.S. Patent & TMOft/™ Mail Ropt Dt. #01

Title: SYSTEMS AND METHODS FOR ORGANIZING DATA RELATIONSHIPS

Inventors: Terry S. Owens, Donald J. West, Douglas C. Draper,

Duane R. Winden, and William M. Bancroft

Docket No. 8614.56

12 / 18

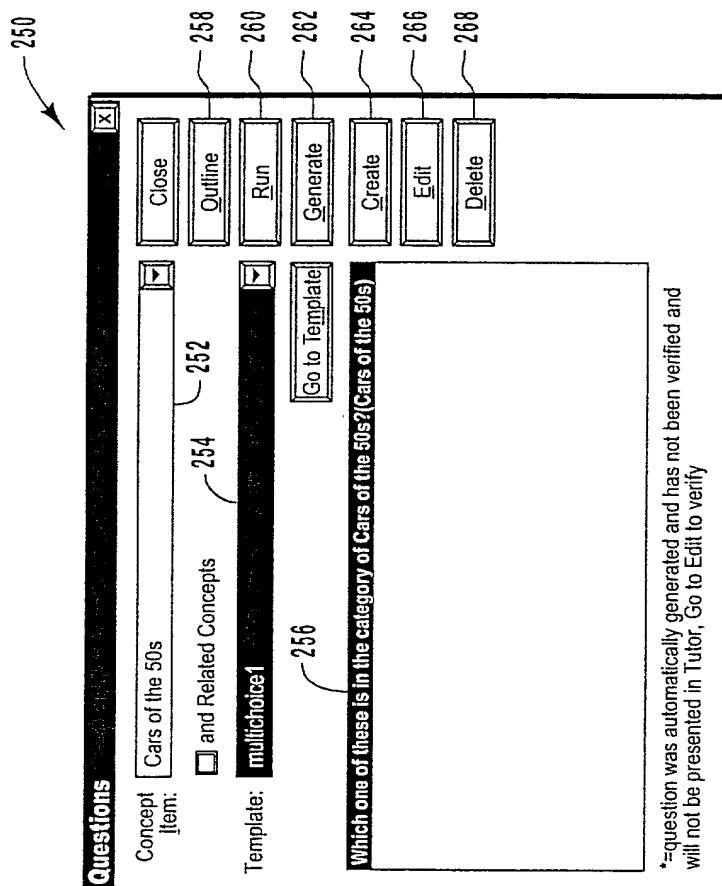


FIG. 14



11-13-2001

U.S. Patent & TMOfo/TM Mail Ropt Dt. #01

13 / 18

266

Question

Concept Item: Cars of the 50s

Template: multichoice1

Name: (Use question text)

Difficulty: Medium

Parts:

☐ Questions: Multiple choice (with About)

☐ About

☐ Answer

☐ distractor

57ranchero.jpg

54 Corvette

1949

39 Jalopy

68 Plymouth

Outline

OK

Cancel

Select Relation

Edit Question Text

Select Object

Edit Object

Disconnect

☐ Needs Verification

274

276

278

280

282

270

254

252

272

FIG. 15



11-13-2001

U.S. Patent & TMOfo/TM Mail RcptDt. #01

Title: SYSTEMS AND METHODS FOR ORGANIZING DATA RELATIONSHIPS

Inventors: Terry S. Owens, Donald J. West, Douglas C. Draper,

Duane R. Winden, and William M. Bancroft

Docket No. 8614.56

14 / 18

292

290

General Questions

Which one of these {relates to} {concept2}?

{concept1} = subject text from concept

{concept2} = predicate text from related concept

{relation} = singular text for possessive subject

{relations} = plural text for possessive subject

{relates to} = verb phrase for singular subject

{relate to} = verb phrase for plural subject

{does not relate to} = negated verb phrase for singular subject

OK

Cancel

Create

Edit

FIG. 16



11-13-2001

U.S. Patent & TMOfo/TM Mail RcptDt. #01

15 / 18

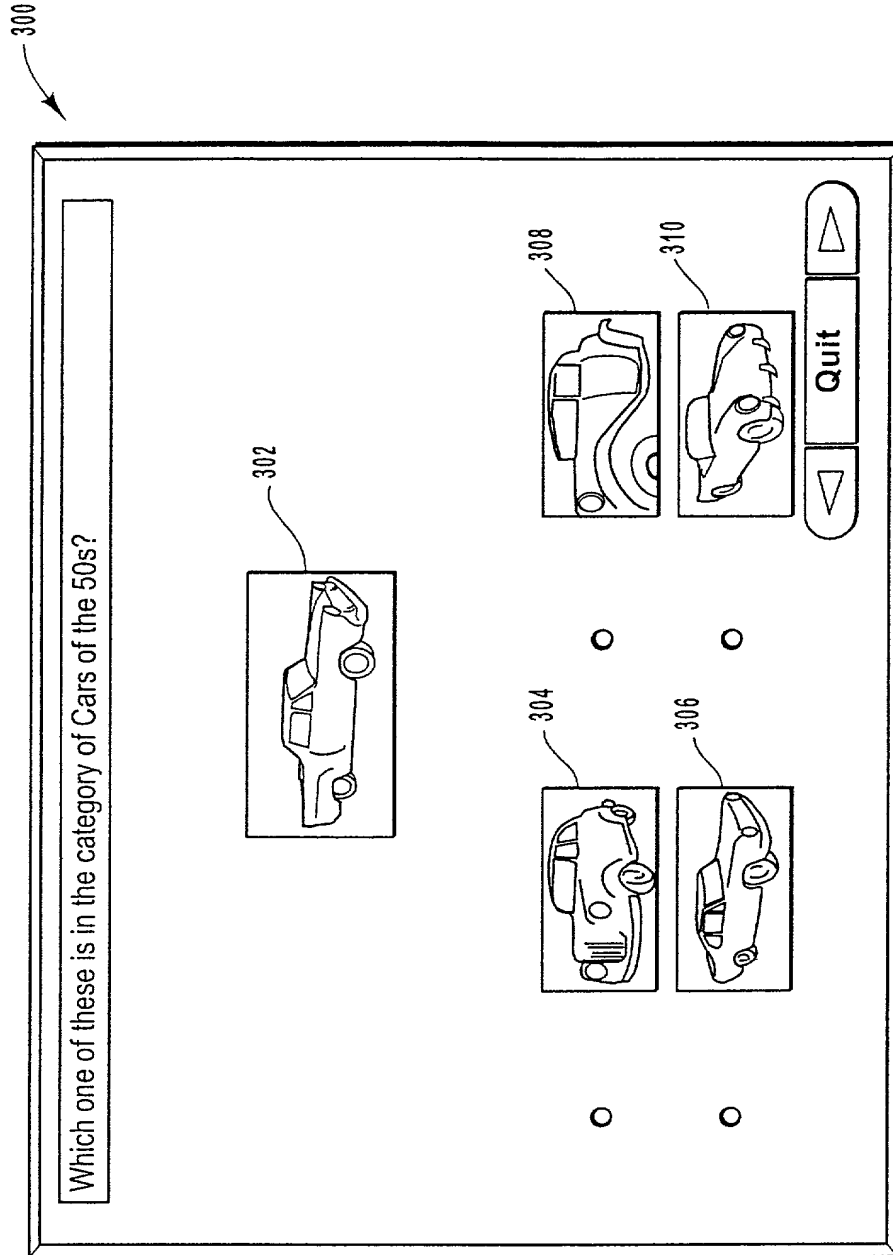


FIG. 17



11-13-2001

U.S. Patent & TMO/TM Mail Rpt Dt. #01

16 / 18

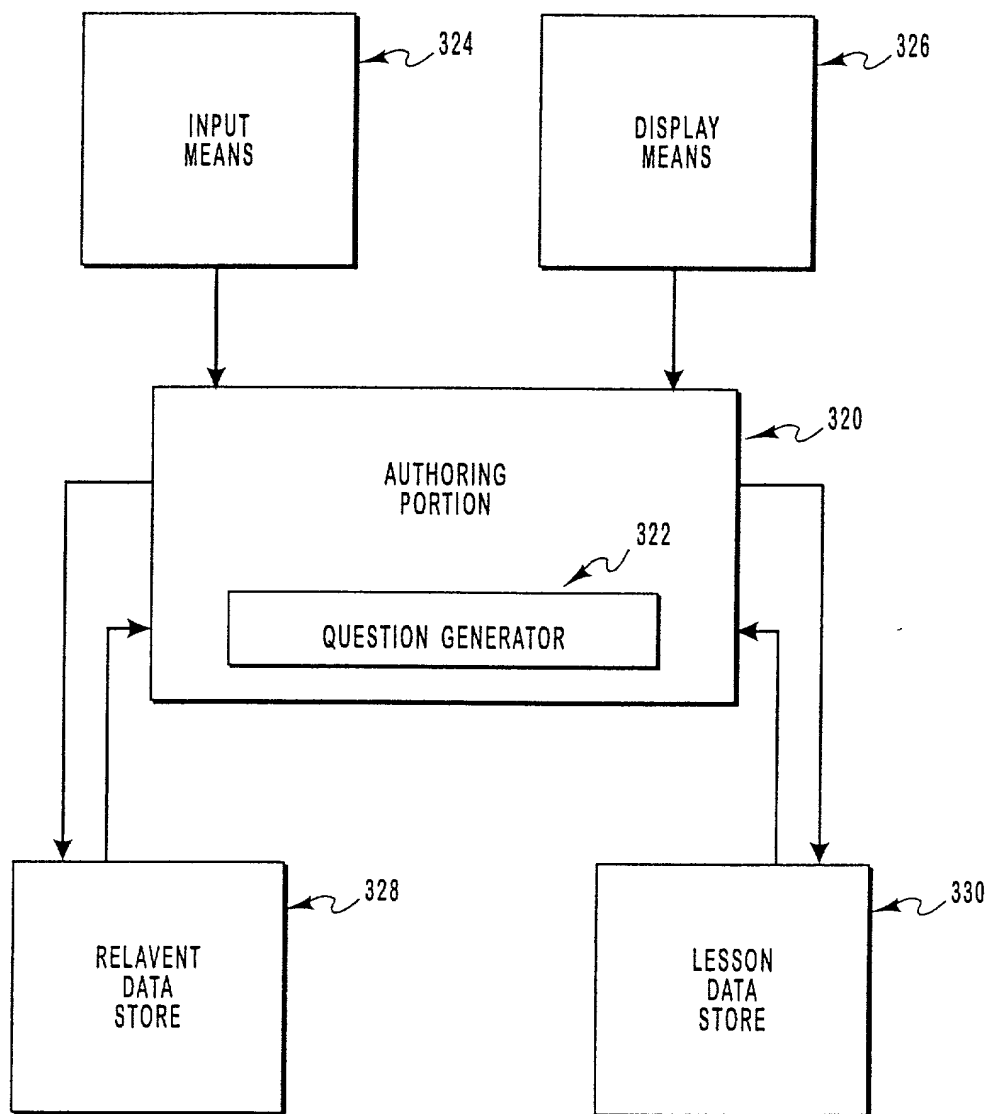


FIG. 18

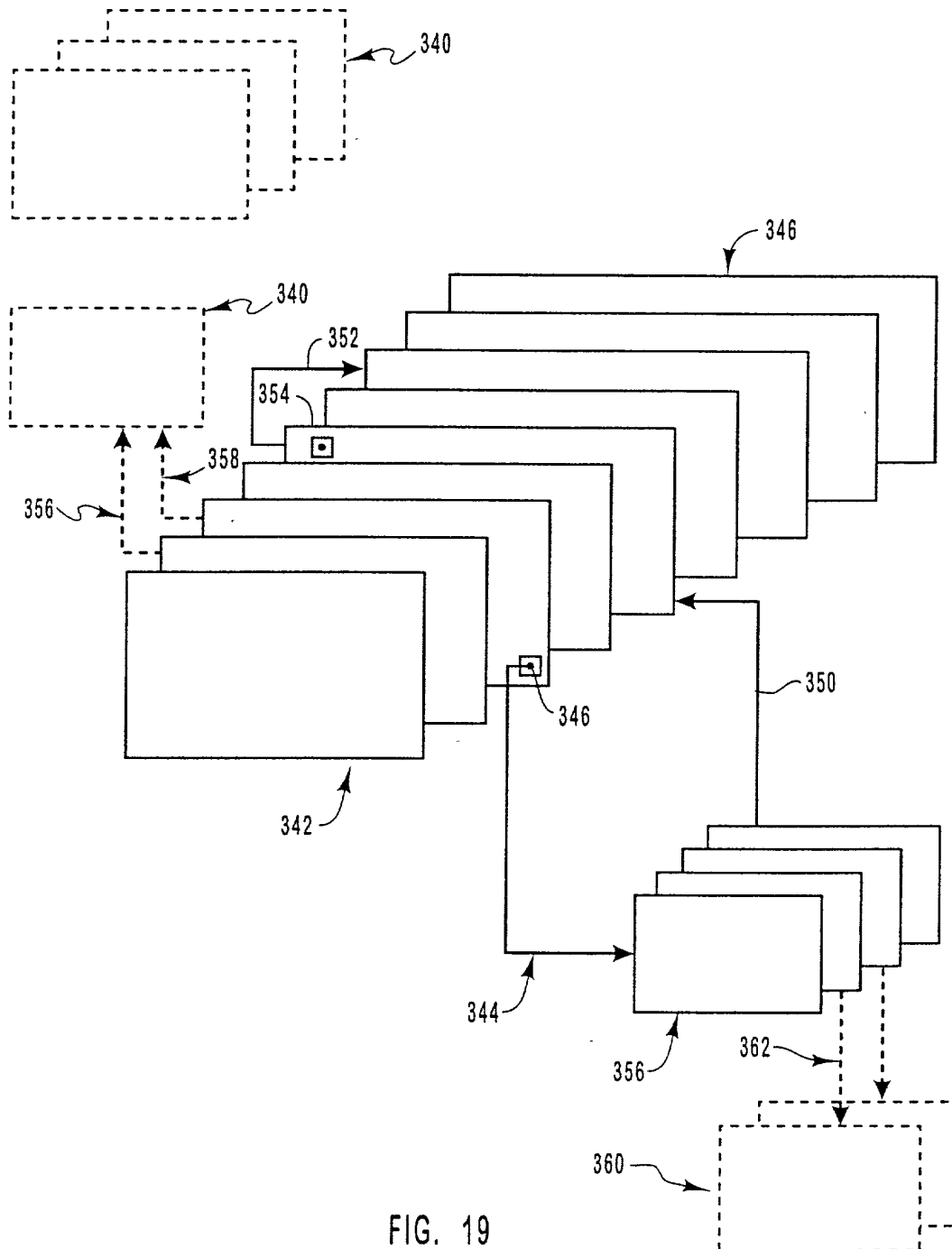


11-13-2001

U.S. Patent & TMOfo/TM Mail Rcpt Dt. #01

Title: SYSTEMS AND METHODS FOR ORGANIZING DATA RELATIONSHIPS
Inventors: Terry S. Owens, Donald J. West, Douglas C. Draper,
Duane R. Winden, and William M. Bancroft
Docket No. 8614.56

17 / 18





11-13-2001

U.S. Patent & TMOfo/TM Mail Rcpt Dt. #01

Title: SYSTEMS AND METHODS FOR ORGANIZING DATA RELATIONSHIPS

Inventors: Terry S. Owens, Donald J. West, Douglas C. Draper,

Duane R. Winden, and William M. Bancroft

Docket No. 8614.56

18 / 18

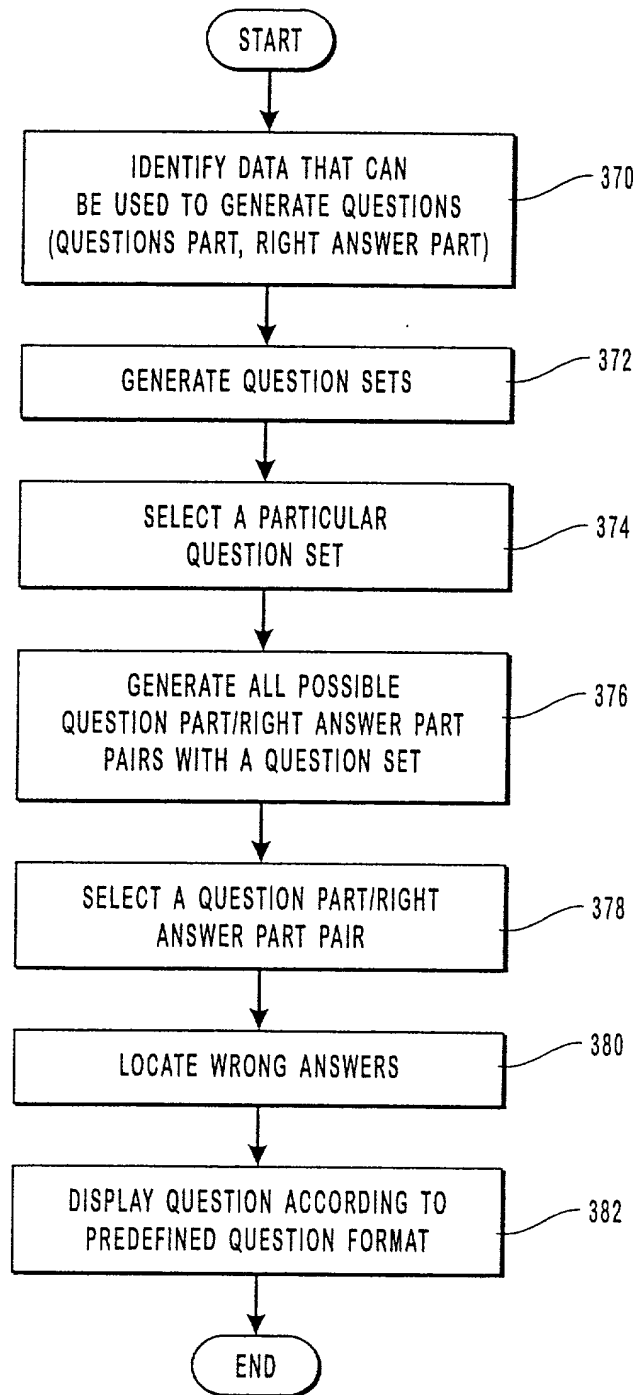


FIG. 20

0988103 11301